

Amendments to the Specification:

Replace paragraph [0001] with the following amended paragraph:

[0001] This patent application is a continuation-in-part of U.S. patent application Serial No. 09/612,116, filed July 7, 2000 (now abandoned) which is a continuation-in-part of U.S. patent application Serial No. 09/495,614, filed February 1, 2000 (now abandoned), which claims the priority benefit of U.S. patent application Serial No. 09/241,951, filed February 2, 1999, converted to U.S. Provisional Ser. Nos. 60/183,043, and 09/305,603, filed May 5, 1999, converted to U.S. Provisional Ser. No. 60/198,250, all of which are incorporated by reference in their entirety and to which applications is claimed priority.

Replace paragraph [0085] with the following amended paragraph:

[0085] The unmodified pathogenic bacteria used in a composition of the invention may be *E. coli*, *V. cholerae*, *Y. pseudotuberculosis*, *Shigella*, *Haemophilus*, *Bordetella*, *Neisseria*, *Pasteurella*, *Treponema*, *Streptococcus pneumoniae*, *Neisseria meningitidis*, *Haemophilus somnus*, *Actinobacillus pleuropneumoniae*, *Pasteurella multocida*, and/or *Mannheimia haemolytica*, and the composition may further comprise an adjuvant.